

I CLAIM:

1. An outfall valve structure conforming to ergonomics, comprising:

a casing, which is in the form of a short hollow pipe; the exterior wall of the casing is provided with a coupler, the bottom of which being provided with an opening; and the interior wall of the casing is provided with a circle of hollow flow path along the position where the opening is;

5 a hollow pipe, which is provided with a hook at one end of its pipe wall, and with exterior threads at the other end; a barrier edge is protrudingly provided at the position adjacent to the exterior threads; at least two peripheral grooves and an opening are provided between the barrier edge and the hook; the opening can go through the interior flow path, while the at least two peripheral grooves are respectively provided in front and back of the opening; an O-ring is mounted on each peripheral groove, and the hollow pipe is inserted into the casing with the end having the hook, such that the casing can slidably move on the hollow pipe between the barrier edge and the hook, thereby controlling the closing and opening of the opening.

2. The outfall valve structure conforming to ergonomics according to Claim 1, wherein the hollow pipe is provided with three peripheral grooves on the exterior wall, with two peripherals grooves at the left side of the

opening, and a peripheral groove at the right side of the opening, each peripheral groove being mounted with an O-ring.

3. The outfall valve structure conforming to ergonomics according to Claim 1, wherein the coupler of the casing is provided with threads on the interior wall.
4. The outfall valve structure conforming to ergonomics according to Claim 1, wherein the exterior threads provided at one end of the hollow pipe can be screwed with a nozzle.
5. The outfall valve structure conforming to ergonomics according to Claim 1, wherein the combination of the casing and the hollow pipe will form a specific angle.
6. The outfall valve structure conforming to ergonomics according to Claim 5, wherein the specific angle is in the range from 60 to 135 degrees.
7. The outfall valve structure conforming to ergonomics according to Claim 1, wherein the hollow pipe inserted into the casing is rotatable in 360 degrees.
8. The outfall valve structure conforming to ergonomics according to Claim 1, wherein each peripheral groove is mounted with an O-ring which can be alternatively replaced by a flange extensively protruding out of the outer periphery of the hollow pipe, such that the outer diameter of flange

is slightly greater than the interior diameter of the casing, thereby when the hollow pipe is inserted into the casing, they can interfere and harmony with each other to prevent liquid from leaking as serviceable as an O-ring.